## REMARKS/ARGUMENTS

Reconsideration of this application is requested. Claims 35, 37 and 41-43 are in the case.

## I. <u>THE INTERVIEW</u>

This will acknowledge the interview conducted with the Examiner (Mr. Borin) on May 4, 2005, during which the outstanding rejection was discussed. The Examiner's position is that the specification allegedly fails to provide an enabling disclosure with respect to amino acid sequences having at least 95% identity with SEQ ID NO:424. It is applicants' position that the specification does provide such an enabling disclosure. No agreement was reached during the interview.

## II. THE 35 U.S.C. §112, FIRST PARAGRAPH, REJECTION

Claims 35, 42 and 43 remain rejected under 35 U.S.C. §112, first paragraph, on alleged lack of enablement grounds. This rejection is respectfully traversed.

As evidence of enablement, attached are copies of sequences from *P gingivalis* strains W83 (Accession No. AAQ65420) and W50 (Accession No. CAA10226.1). These sequences differ from SEQ ID NO:424 by a single amino acid at position 199 which is D in W83 and A in W50 and, therefore, represent enabled sequences having at least 95% identity to SEQ ID NO:424. *P gingivalis* strain W50 is disclosed in the specification at page 16, lines 27-30. Furthermore, the specification provides a discussion of allelic variants at page 13. The claim to a sequence having a sequence identity at least 95% to SEQ ID NO:424 is clearly intended to cover strain variation within the organism.

In light of the above, it is clear that the specification does provide an enabling disclosure with respect to sequences having at least 95% identity to SEQ ID No:424. Withdrawal of the outstanding 35 U.S.C. §112, first paragraph, rejection is accordingly respectfully requested.

## II. <u>ALLOWABLE SUBJECT MATTER</u>

It is noted with appreciation that claims 37 and 41 are allowable. With the arguments presented above, it is believed that all of the claims in this case are now in allowable condition. Early notice to that effect is awaited.

Favorable action on this application is respectfully requested.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:

onard C) Mitchard Reg No. 29,009

LCM:Ifm

1100 North Glebe Road, 8th Floor

Arlington, VA 22201-4714 Telephone: (703) 816-4000 Facsimile: (703) 816-4100

Attachments: Copies of sequences from P gingivalis strains W83 (Accession No.

AAQ65420) and W50 (Accession No. CAA10226.1).

Limits

 $R_{6^{\pm}}$ PMC

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for

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Show 5

Clipboard

Linear

Details

Range: from begin

end

Send to

1017 aa

Features: USNP graph LICOD MMGC LIHPRO LISTS LIRNA

Swichire

BLink, Conserved Domains, Links

Refresh

1: ΔΛQ65420. Reports ragA protein [Por...[gi:34396353]

DEFINITION

ragA protein [Porphyromonas gingivalis W83].

AA065420 ACCESSION

лло65420.1 GI:34396353 VERSION accession AE017172.1 **DBSOURCE** 

AAQ65420

KEYWORDS

LOCUS

SOURCE Porphyromonas gingivalis W83 Porphyromonas gingivalis w83 ORGANISM

Bacteroideres; Bacteroidetes (class); Bacteroidales;

Porphyromonadaceae: Porphyromonas.

REFERENCE (residues 1 to 1017)

Nelson, K., Fleishmann, R., DeBoy, R., Paulsen, I., Fouts, D., Eisen, J., **AUTHORS** 

Daugherty.S., Dodson,R., Durkin,A., Gwinn,M., Haft,D., Kolonay,J., Nelson.W., White,O., Mason,T., Tallon,L., Cray,J., Granger,D., Tettelin, H., Dong, H., Calvin, J., Duncan, M., Dewhirst, F. and

Fraser.C.

Complete Genome Sequence of the Oral Pathogenic Bacterium TITLE

Porphyromonas gingivalis Strain W83

JOURNAI, J. Bacteriol. 185 (18), 5591-5601 (2003)

PUBMED 12949112

(residues 1 to 1017) REFERENCE

Nelson, K., Fleishmann, R., DeBoy, R., Paulsen, I., Fouts, D., Eisen, J., **AUTHORS** 

Daugherty, S., Dodson, R., Durkin, A., Cwinn, M., Hatt, D., Kolonay, J., Nclson, W., White, O., Mason, T., Tallon, L., Gray, J., Granger, D., Tettelin, H., Dong, H., Galvin, J., Duncan, M., Dewhirst, F. and

Frascr, C.

TITLE Direct Submission

Submitted (29-OCT-2002) The Institute for Genomic Research, 9712 JOURNAL

Medical Center Dr., Rockville, MD 20850, USA

COMMENT Method: conceptual translation. Location/Qualifiers FEATURES

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CDS 1..1017

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121 svakvssekl aekpvanimd alqqqvagmq vmttsgdpta vasveihgtg slgassaply

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361 repanfkrys grlnfesrin ewlkvganls gaianrrsad yfgkyymgsg tfgvltmpry

421 ynptdyngdl advyymygat rpsmtepyfa kmrptssesh qanvngfaqi tpikgltlka

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NCBI Sequence Viewer v2.0

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17 08 29

5 /6

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23-08-2005

NCBI Sequence Viewer v2.0

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